

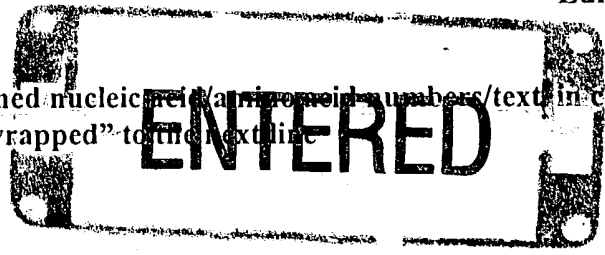
1FW16

# CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/673,274C

CRF Edit Date: 9/13/04  
Edited by: [Signature]

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line



\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:  
\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:  
\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:  
\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:  
\_\_\_\_\_

\_\_\_ Other: Sequence 49, 52, 53 - aligned amino acid number  
\_\_\_\_\_  
\_\_\_\_\_



IFW16

## RAW SEQUENCE LISTING

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 15:53:16

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09132004\I673274C.raw

4 <110> APPLICANT: Lamberty, Mireille  
 5 Bulet, Phillipe  
 6 Brookhart, Gary  
 7 Hoffman, Jules  
 9 <120> TITLE OF INVENTION: GENE CODING FOR HELIOMICINE, AND USE THEREOF  
 11 <130> FILE REFERENCE: A33595-PCT-USA (075188.0110)  
 13 <140> CURRENT APPLICATION NUMBER: 09/673,274C  
 C--> 14 <141> CURRENT FILING DATE: 2001-02-02  
 16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00843  
 17 <151> PRIOR FILING DATE: 1999-04-12  
 19 <150> PRIOR APPLICATION NUMBER: FR 98 04933  
 20 <151> PRIOR FILING DATE: 1998-04-15  
 22 <160> NUMBER OF SEQ ID NOS: 53  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 147  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 34 <400> SEQUENCE: 1  
 35 agcttgata aaagagacaa gttgattggc agctgtgttt ggggcgccgt caactacact 60  
 36 agtgactgca acggcgagtg caagcgccgc ggttacaagg gtggccattg tggatccttc 120  
 37 gctaacgta actgttggtg tgaacc 147  
 39 <210> SEQ ID NO: 2  
 40 <211> LENGTH: 169  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Artificial Sequence  
 44 <220> FEATURE:  
 45 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 47 <400> SEQUENCE: 2  
 48 gataagctta tcggttcctg cgtgtggggt.gctgtgaact acacttccga ttgcaacggt 60  
 49 gagtgcaaga ggaggggta caagggtggt cactgcggtt ccttcgctaa cgtgaactgc 120  
 50 tgggtgcgaga cttgagagct cggcgaggcg aacgtgtcga cggatccgg 169  
 52 <210> SEQ ID NO: 3  
 53 <211> LENGTH: 261  
 54 <212> TYPE: DNA  
 55 <213> ORGANISM: Artificial Sequence  
 57 <220> FEATURE:  
 58 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 60 <400> SEQUENCE: 3  
 61 ccatgggttt cgtgcttttc tctcagcttc catctttcct tcttgtgtct actcttcttc 60  
 62 ttttcttctg gatctctcac tcttgccgtg ccgataagct tatcggttcc tgcgtgtggg 120

P.6

## RAW SEQUENCE LISTING

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 15:53:16

Input Set : A:\PTO.AMC.txt

Output Set : N:\CRF4\09132004\I673274C.raw

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63 gtgctgtgaa ctacacttcc gattgcaacg gtgagtgcaa gaggaggggt tacaaggggtg 180
64 gtcactgceg ttccttcegt aacgtgaact gctgggtgca gacttgagag ctcggcgagg 240
65 cgaacgtgtc gacggatccg g                                     261
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 120
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Synthetic oligonucleotide
75 <400> SEQUENCE: 4
76 gcgtcgacgc gatgggtttc gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
77 ctctttctct tttccttgtg atctctcact cttgccgtgc tggagacgcy aattcacaca 120
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 75
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Synthetic oligonucleotide
88 <400> SEQUENCE: 5
89 gcgtcgacgc gatgggtttc gtgcttttct ctcagcttcc atctttcctt cttgtgtcta 60
90 ctctttctct tttcc                                     75
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 72
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Synthetic oligonucleotide
100 <400> SEQUENCE: 6
101 tcgccggcac ggcaagagta agagatcaca aggaaaagaa gaagagtaga cacaagaagg 60
102 aaagatggaa gc                                     72
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 80
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthetic oligonucleotide
112 <400> SEQUENCE: 7
113 gataagctta tcggttccctg cgtgtgggggt gctgtgaact acacttccga ttgcaacggg 60
114 gagtgcaaga ggaggggtta                                     80
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 109
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Synthetic oligonucleotide
124 <400> SEQUENCE: 8
125 ccggatccgt cgacacgttc gcctcgccga gctctcaagt ctgcaccag cagttcacgt 60
126 tagcgaagga accgcagtga ccaccctgt aaccctctct cttgcactc 109
128 <210> SEQ ID NO: 9
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## RAW SEQUENCE LISTING

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 15:53:16

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09132004\I673274C.raw

129 <211> LENGTH: 85  
130 <212> TYPE: DNA  
131 <213> ORGANISM: Artificial Sequence  
133 <220> FEATURE:  
134 <223> OTHER INFORMATION: Synthetic oligonucleotide  
136 <400> SEQUENCE: 9  
137 agggcccct agggtttaa cggccagtc gccgaattc gagctcgta cccggggatc 60  
138 ctctagagtc gacctgcagg catgc 85  
140 <210> SEQ ID NO: 10  
141 <211> LENGTH: 66  
142 <212> TYPE: DNA  
143 <213> ORGANISM: Artificial Sequence  
145 <220> FEATURE:  
146 <223> OTHER INFORMATION: Synthetic oligonucleotide  
148 <400> SEQUENCE: 10  
149 ccctgaacca ggctcgaggg cgcgccttaa ttaaagctt gcatgcctgc aggtcgactc 60  
150 tagagg 66  
152 <210> SEQ ID NO: 11  
153 <211> LENGTH: 93  
154 <212> TYPE: DNA  
155 <213> ORGANISM: Artificial Sequence  
157 <220> FEATURE:  
158 <223> OTHER INFORMATION: Synthetic oligonucleotide  
160 <400> SEQUENCE: 11  
161 cggccagtc agccacact taattaagtt taaacgcggc cccggcgcg ctaggtgtgt 60  
162 gctcgagggc ccaacctcag tacctggttc agg 93  
164 <210> SEQ ID NO: 12  
165 <211> LENGTH: 93  
166 <212> TYPE: DNA  
167 <213> ORGANISM: Artificial Sequence  
169 <220> FEATURE:  
170 <223> OTHER INFORMATION: Synthetic oligonucleotide  
172 <400> SEQUENCE: 12  
173 cggcctgaa ccaggtactg aggttgggcc ctgcagcaca cacctaggcg cgccggggcc 60  
174 gcgtttaaac ttaattaagt gtggcctgac tgg 93  
176 <210> SEQ ID NO: 13  
177 <211> LENGTH: 50  
178 <212> TYPE: DNA  
179 <213> ORGANISM: Artificial Sequence  
181 <220> FEATURE:  
182 <223> OTHER INFORMATION: Synthetic oligonucleotide  
184 <400> SEQUENCE: 13  
185 ggtctagaat ggctgcacc aacaacgcca tgagggcct cttcctcctc 50  
187 <210> SEQ ID NO: 14  
188 <211> LENGTH: 50  
189 <212> TYPE: DNA  
190 <213> ORGANISM: Artificial Sequence  
192 <220> FEATURE:  
193 <223> OTHER INFORMATION: Synthetic oligonucleotide

RAW SEQUENCE LISTING . DATE: 09/13/2004  
 PATENT APPLICATION: US/09/673,274C TIME: 15:53:16

Input Set : A:\PTO.AMC.txt  
 Output Set: N:\CRF4\09132004\I673274C.raw

195 <400> SEQUENCE: 14  
 196 ccgaattcgg cgccgtgcac gatgcagaag agcacgagga ggaagagggc 50  
 198 <210> SEQ ID NO: 15  
 199 <211> LENGTH: 81  
 200 <212> TYPE: DNA  
 201 <213> ORGANISM: Artificial Sequence  
 203 <220> FEATURE:  
 204 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 206 <400> SEQUENCE: 15  
 207 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60  
 208 atcgtgcacg gcgccgaatt c 81  
 210 <210> SEQ ID NO: 16  
 211 <211> LENGTH: 24  
 212 <212> TYPE: DNA  
 213 <213> ORGANISM: Artificial Sequence  
 215 <220> FEATURE:  
 216 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 218 <400> SEQUENCE: 16  
 219 gataagctta tcggttcctg cgtg 24  
 221 <210> SEQ ID NO: 17  
 222 <211> LENGTH: 32  
 223 <212> TYPE: DNA  
 224 <213> ORGANISM: Artificial Sequence  
 226 <220> FEATURE:  
 227 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 229 <400> SEQUENCE: 17  
 230 ggctcgagtc aagtctcgca ccagcagttc ac 32  
 232 <210> SEQ ID NO: 18  
 233 <211> LENGTH: 213  
 234 <212> TYPE: DNA  
 235 <213> ORGANISM: Artificial Sequence  
 237 <220> FEATURE:  
 238 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 240 <400> SEQUENCE: 18  
 241 tctagaatgg cctgcaccaa caacgccatg agggccctct tcctcctcct gctcttctgc 60  
 242 atcgtgcacg gcgataagct tatcggttcc tgcgtgtggg gtgctgtgaa ctacacttcc 120  
 243 gattgcaacg gtgagtgcaa gaggaggggt tacaaggggt gtcactgagg ttccttcgct 180  
 244 aacgtgaact gctggtgca gacttgactc gag 213  
 246 <210> SEQ ID NO: 19  
 247 <211> LENGTH: 838  
 248 <212> TYPE: DNA  
 249 <213> ORGANISM: Artificial Sequence  
 251 <220> FEATURE:  
 252 <223> OTHER INFORMATION: Synthetic oligonucleotide  
 W--> 254 <221> NAME/KEY: promoter  
 255 <222> LOCATION: (7)...(532)  
 W--> 257 <221> misc\_structure  
 258 <222> LOCATION: (533)...(568)  
 W--> 260 <221> terminator

## RAW SEQUENCE LISTING

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 15:53:16

Input Set : A:\PTO.AMC.txt

Output Set : N:\CRF4\09132004\I673274C.raw

```

261 <222> LOCATION: (569)...(832)
W--> 263 <400> 19
264 aagcttccag aaggtaatta tccaagatgt agcatcaaga atccaatggt tacgggaaaa 60
265 actatggaag tattatgtga gctcagcaag aagcagatca atatgctgca catatgcaac 120
266 ctatgttcaa aatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
267 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaattctga agacgtaagc 240
268 actgacgaca acaatgaaaa gaagaagata aggtcgggtga ttgtgaaaga gacatagagg 300
269 acacatgtaa ggtggaaaaat gtaagggcgg aaagtaacct tatcacaag gaatcttatac 360
270 cccactact taccctttta ttttttccg tgtcattttt gcccttgagt tttcctatat 420
271 aaggaaccaa gttcggcatt tgtgaaaaca agaaaaaatt tgggtgtaagc tttttcttt 480
272 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctagaag 540
273 gctgaattc gagctcggta ccggatccaa ttcccgatcg ttcaaacatt tggcaataaa 600
274 gtttcttaag attgaatcct gttgcccggtc ttgcatgat tatcatataa tttctgttga 660
275 attacgttaa gcatgtaata attaacatgt aatgcatgac gttatttatg agatgggttt 720
276 ttatgattag agtcccgcaa ttatacattt aatagcgcag agaaaacaaa atatagcgcg 780
277 caaactagga taaattatcg cgcgcgggtg catctatggt actagatcgg ggatcgat 838
279 <210> SEQ ID NO: 20
280 <211> LENGTH: 1036
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Synthetic oligonucleotide
W--> 287 <221> NAME/KEY: promoter
288 <222> LOCATION: (7)...(532)
W--> 290 <221> CDS
291 <222> LOCATION: (539)...(736)
W--> 293 <221> terminator
294 <222> LOCATION: (767)...(1030)
W--> 296 <400> 20
297 aagcttccag aaggtaatta tccaagatgt agcatcaaga atccaatggt tacgggaaaa 60
298 actatggaag tattatgtga gctcagcaag aagcagatca atatgctgca catatgcaac 120
299 ctatgttcaa aatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
300 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaattctga agacgtaagc 240
301 actgacgaca acaatgaaaa gaagaagata aggtcgggtga ttgtgaaaga gacatagagg 300
302 acacatgtaa ggtggaaaaat gtaagggcgg aaagtaacct tatcacaag gaatcttatac 360
303 cccactact taccctttta ttttttccg tgtcattttt gcccttgagt tttcctatat 420
304 aaggaaccaa gttcggcatt tgtgaaaaca agaaaaaatt tgggtgtaagc tttttcttt 480
305 gaagtactga ggatacaact tcagagaaat ttgtaagttt gtagatctcg attctaga 538
306 atg gcc tgc acc aac aac gcc atg agg gcc ctc ttc ctc ctc gtg ctc 586
307 Met Ala Cys Thr Asn Asn Ala Met Arg Ala Leu Phe Leu Leu Val Leu
308 1 5 10 15
310 ttc tgc atc gtg cac ggc gat aag ctt atc ggt tcc tgc gtg tgg ggt 634
311 Phe Cys Ile Val His Gly Asp Lys Leu Ile Gly Ser Cys Val Trp Gly
312 20 25 30
314 gct gtg aac tac act tcc gat tgc aac ggt gag tgc aag agg agg ggt 682
315 Ala Val Asn Tyr Thr Ser Asp Cys Asn Gly Glu Cys Lys Arg Arg Gly
316 35 40 45
318 tac aag ggt ggt cac tgc ggt tcc ttc gct aac gtg aac tgc tgg tgc 730
319 Tyr Lys Gly Gly His Cys Gly Ser Phe Ala Asn Val Asn Cys Trp Cys

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 09/13/2004  
PATENT APPLICATION: US/09/673,274C      TIME: 15:53:17

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\09132004\I673274C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:39; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18,19,20,21,23,24

Seq#:39; Xaa Pos. 25,27,28,29,30,31,32,33,34,35,37,38,39,40,41,42,43,45,47

Seq#:39; Xaa Pos. 48,49,50,51

Seq#:40; Xaa Pos. 2,3,4,5,6,7

Seq#:42; Xaa Pos. 1,2,3,4,5,6,7,8,9,11

Seq#:43; Xaa Pos. 2,3,4,5,6,7,8,9

Seq#:44; Xaa Pos. 2,3,4,5,6

Seq#:45; Xaa Pos. 2,3,4,5

## VERIFICATION SUMMARY

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 15:53:17

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\09132004\I673274C.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:254 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:263 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:287 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:296 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:538 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:543 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:548 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:552 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:557 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:562 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:566 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:571 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
M:341 Repeated in SeqNo=39  
L:590 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:594 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40  
L:599 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40  
L:603 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40  
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:629 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:638 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:642 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:655 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:660 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43  
L:664 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43  
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:677 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:682 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44  
L:686 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44  
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:699 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:704 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45  
L:708 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45  
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0





IFW16

## RAW SEQUENCE LISTING

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 10:14:10

Input Set : A:\Sequence Listing 09673274.txt

Output Set : N:\CRF4\09132004\I673274C.raw

4 <110> APPLICANT: Lamberty, Mireille  
 5        Bulet, Phillipe  
 6        Brookhart, Gary  
 7        Hoffman, Jules  
 9 <120> TITLE OF INVENTION: GENE CODING FOR HELIOMICINE, AND USE THEREOF  
 11 <130> FILE REFERENCE: A33595-PCT-USA (075188.0110)  
 13 <140> CURRENT APPLICATION NUMBER: 09/673,274C  
 C--> 14 <141> CURRENT FILING DATE: 2001-02-02  
 16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/00843  
 17 <151> PRIOR FILING DATE: 1999-04-12  
 19 <150> PRIOR APPLICATION NUMBER: FR 98 04933  
 20 <151> PRIOR FILING DATE: 1998-04-15  
 22 <160> NUMBER OF SEQ ID NOS: 53  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES

752 <210> SEQ ID NO: 49  
 753 <211> LENGTH: 9  
 754 <212> TYPE: PRT  
 755 <213> ORGANISM: Artificial Sequence  
 757 <220> FEATURE:  
 758 <223> OTHER INFORMATION: Synthetic peptide  
 760 <400> SEQUENCE: 49  
 761 Leu Leu Arg Gly Tyr Lys Gly Gly His

E--> 762 1 ~~5~~ 5 *misaligned amino acid nos.*  
 791 <210> SEQ ID NO: 52  
 792 <211> LENGTH: 6  
 793 <212> TYPE: PRT  
 794 <213> ORGANISM: Artificial Sequence  
 796 <220> FEATURE:  
 797 <223> OTHER INFORMATION: Synthetic peptide *same*  
 799 <400> SEQUENCE: 52

E--> 801 1 ~~5~~ 5  
 804 <210> SEQ ID NO: 53  
 805 <211> LENGTH: 5  
 806 <212> TYPE: PRT  
 807 <213> ORGANISM: Artificial Sequence  
 809 <220> FEATURE:  
 810 <223> OTHER INFORMATION: Synthetic peptide  
 812 <400> SEQUENCE: 53

RAW SEQUENCE LISTING

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 10:14:10

Input Set : A:\Sequence Listing 09673274.txt

Output Set: N:\CRF4\09132004\I673274C.raw

813 Ser Leu Asp Lys Arg

E--> 814 1 ~~5~~

5

## VERIFICATION SUMMARY

DATE: 09/13/2004

PATENT APPLICATION: US/09/673,274C

TIME: 10:14:11

Input Set : A:\Sequence Listing 09673274.txt

Output Set : N:\CRF4\09132004\I673274C.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:254 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:257 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:260 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:263 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:19  
L:287 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:290 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:293 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:296 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:20  
L:538 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:543 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:548 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:552 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:557 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:562 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:566 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:571 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39  
L:572 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:574 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:16  
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:32  
L:578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:48  
L:590 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:594 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40  
L:599 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40  
L:603 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:40  
L:604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
L:629 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:634 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:638 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:642 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:42  
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0  
L:655 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:660 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43  
L:664 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:43  
L:665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0  
L:677 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:682 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44  
L:686 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:44  
L:687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0  
L:699 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:704 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45  
L:708 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:45  
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:762 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:49  
L:801 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:52  
L:814 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:53